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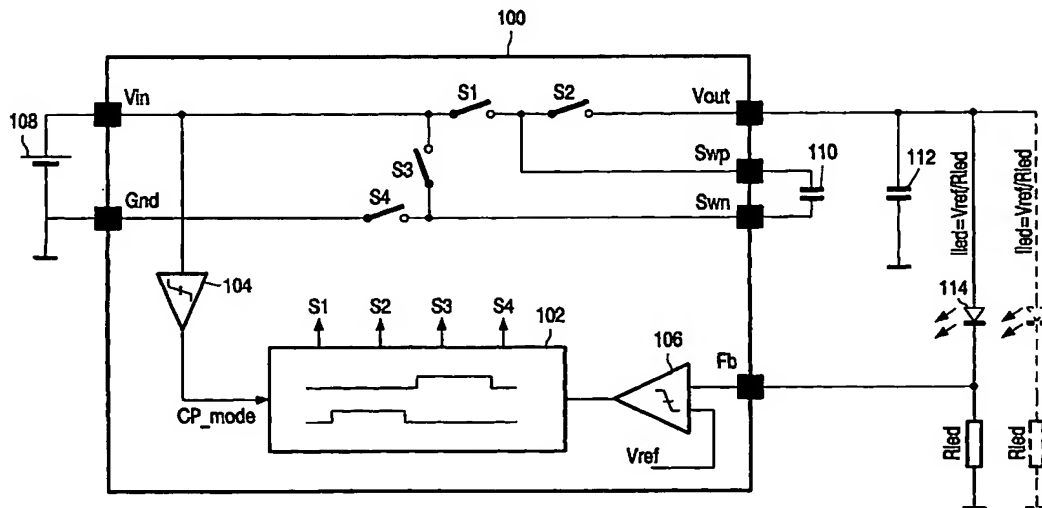
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- (54) Title: BOOST CONVERTER**



- (57) Abstract:** The present invention relates to a boost converter (100) which can operate both in a capacitive and in an inductive mode. In the capacitive mode the converter operates as a charge pump circuit by making use of a set of switches (S1, S2, S3, S4) and a set of capacitors (110, 112). In the inductive mode the converter operates as a boost circuit and uses a sub-set of the switches (S2, S4) and an inductor. The mode is selected by means of a selection terminal (Vin) which is also used in the capacitive mode for coupling of a battery (108) to the boost converter (100).



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